

**Supplemental Information for:**

**Natural Product Anacardic Acid from Cashew Nut Shells Stimulates Neutrophil  
Extracellular Trap Production and Bactericidal Activity**

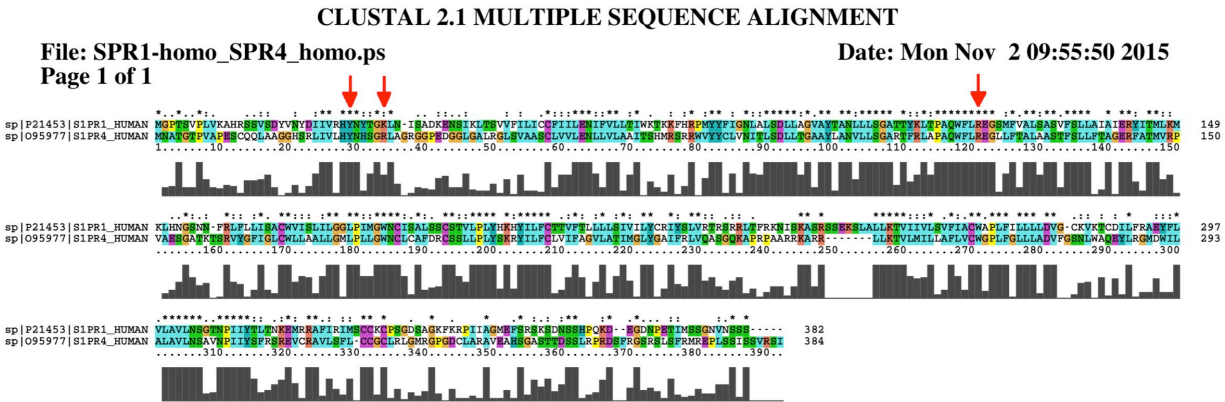
Andrew Hollands, Ross Corriden, Gabriela Gysler, Samira Dahesh, Joshua Olson, Syed Raza Ali,  
Maya T. Kunkel, Ann E. Lin, Stefano Forli, Alexandra C. Newton, Geetha B. Kumar, Bipin G. Nair,  
J. Jefferson P. Perry, Victor Nizet

Content:

Supplemental Figure 1 and legend

Supplemental Table 1 and legend

# SUPPLEMENTAL FIGURE 1



**Supplemental Figure 1. Sequence alignment between the S1PR1 and S1PR4 receptors.** Tyr29, Lys34 and Arg120 residues, which are predicted to be important for establishment of hydrogen bonds between the salicylic acid group of anacardic acid and S1P1, are indicated with red arrows.

<b>Name of receptor</b>	<b>Gene</b>	<b>E-value</b>
Sphingosine-1-phosphate receptor Edg-5	S1PR2	4.21e-44
Sphingosine-1-phosphate receptor Edg-6	S1PR4	7.55e-32
Sphingosine-1-phosphate receptor Edg-3	S1PR3	6.68e-26
Sphingosine-1-phosphate receptor Edg-1	S1PR1	4.48e-22
Sphingosine-1-phosphate receptor Edg-8	S1PR5	1.01e-16

**Supplemental Table 1.** Selected similarity ensemble approach (SEA) results for anacardic acid.